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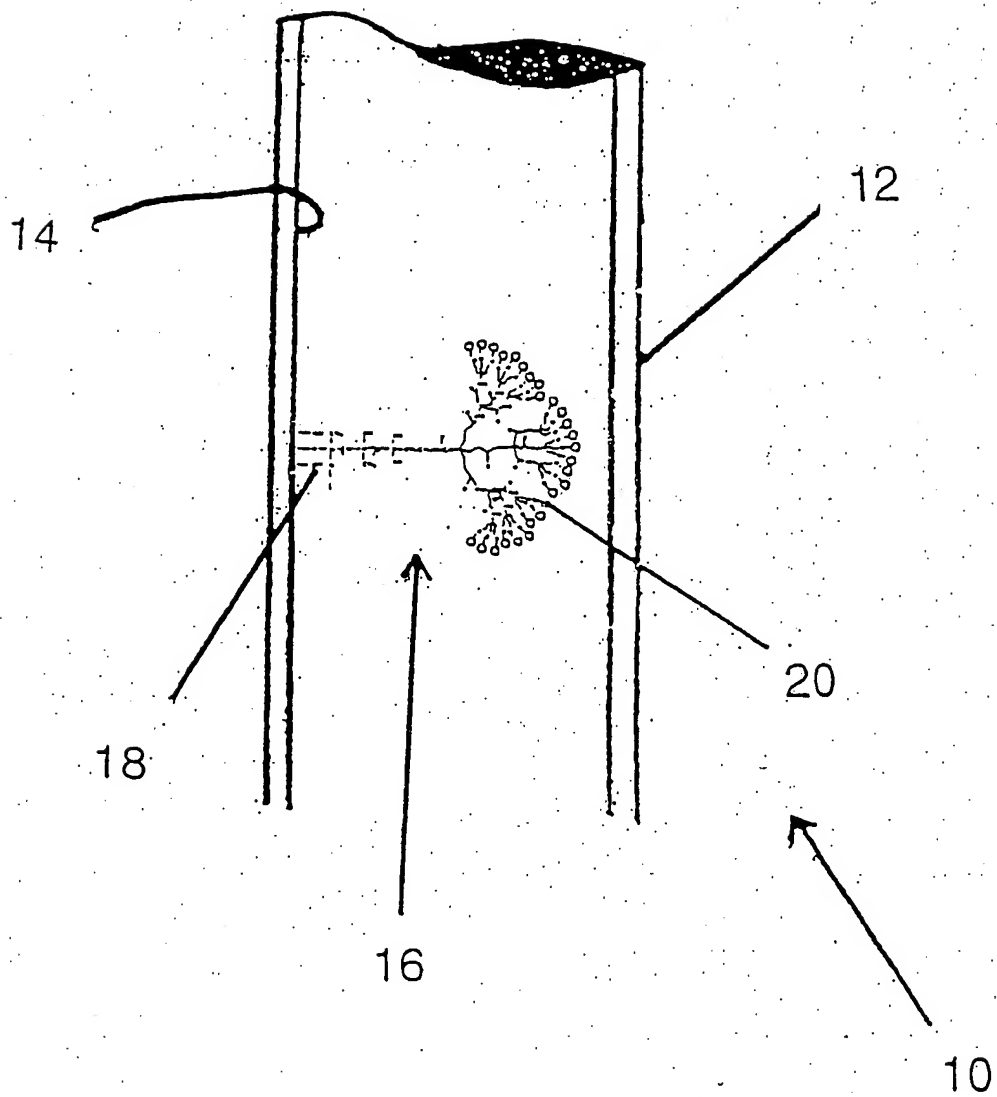


Fig. 1

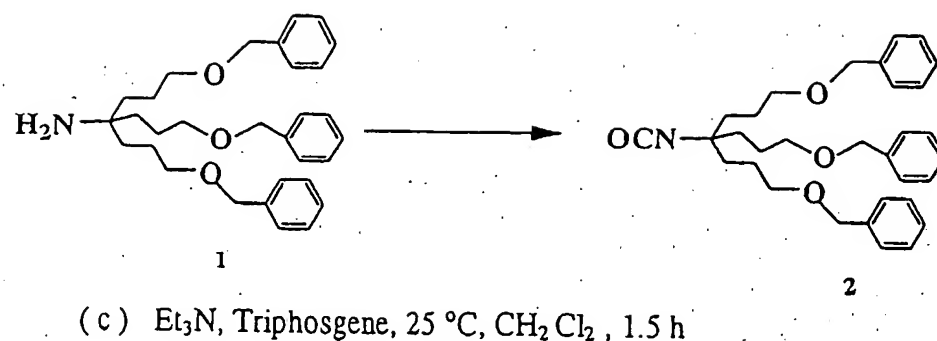
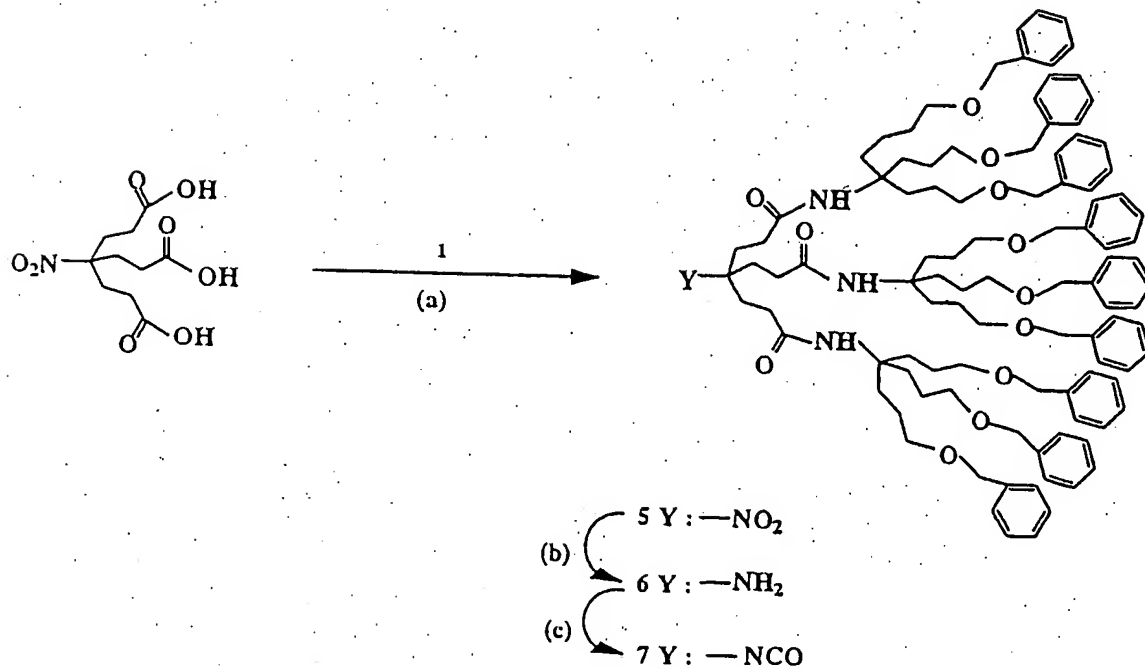
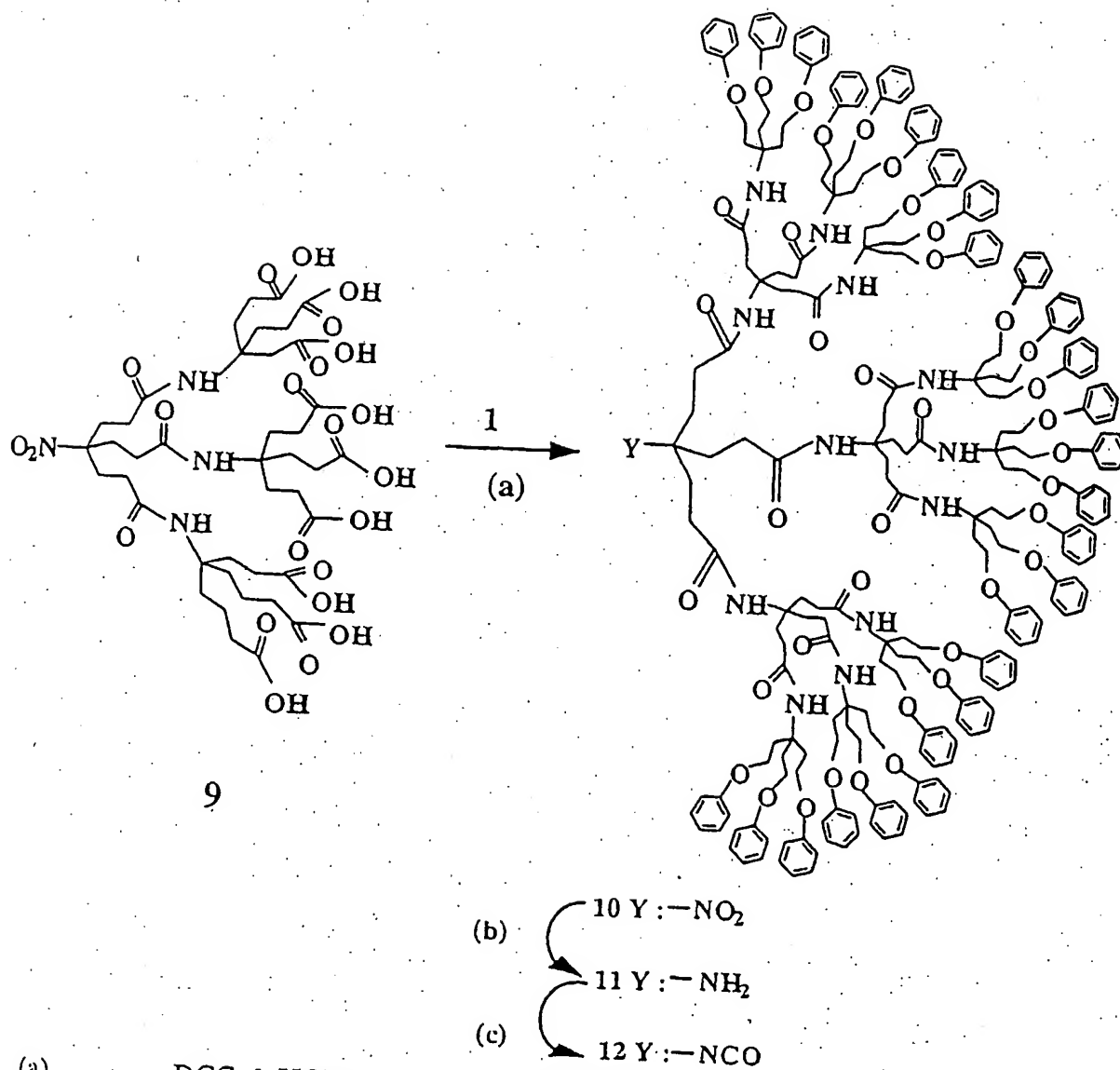


Fig. 2



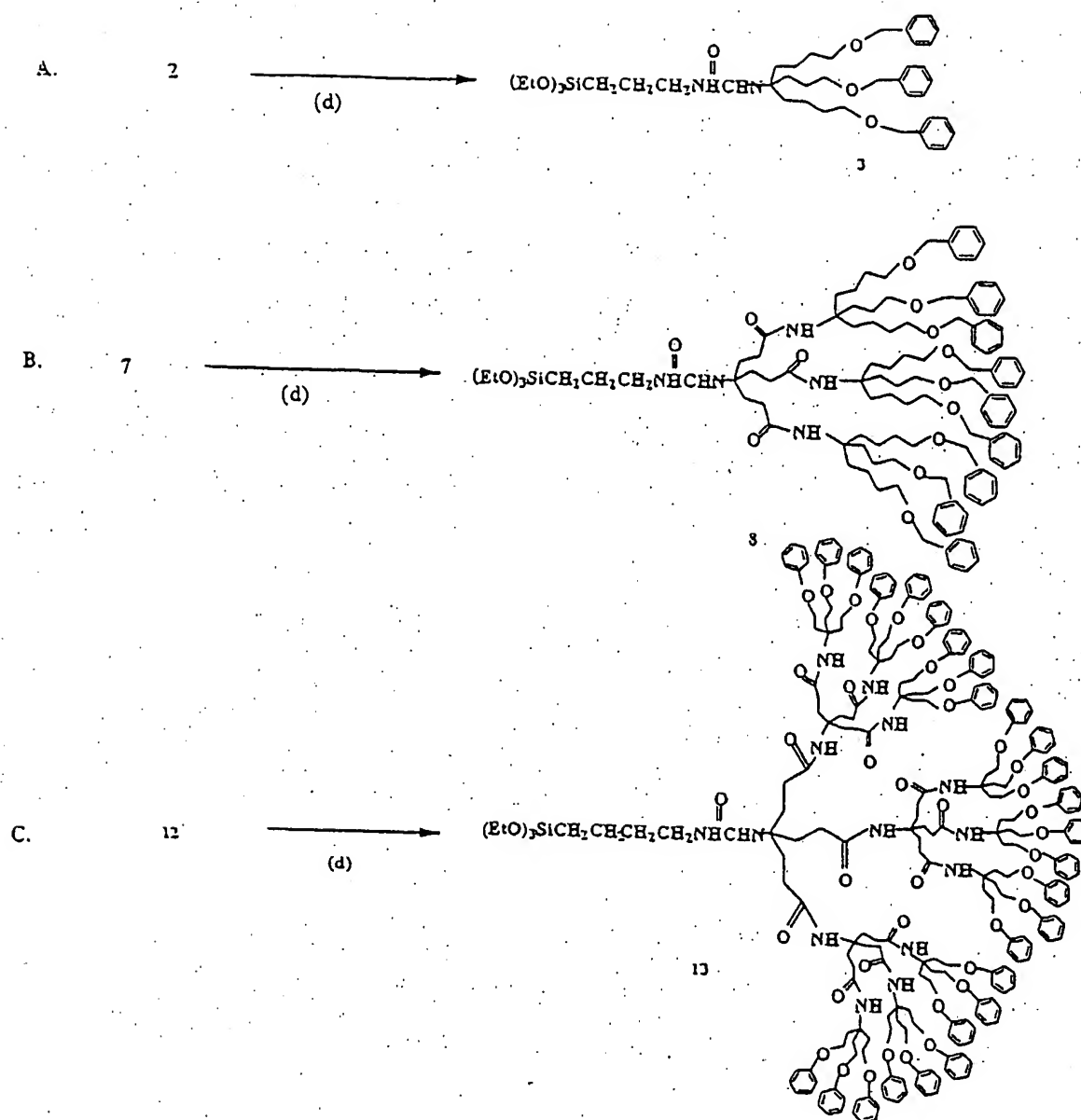
- (a) DCC, 1-HOBT,  $25^\circ\text{C}$ , dry DMF, 48 h;  
 (b)  $\text{NaBH}_4$ , NiB,  $50^\circ\text{C}$ , MeOH, 1h  
 (c)  $\text{Et}_3\text{N}$ , Triphosgene,  $25^\circ\text{C}$ ,  $\text{CH}_2\text{Cl}_2$ , 1.5 h

Fig. 3



- (a) DCC, 1-HOBT, 25 °C, dry DMF, 48 h;  
 (b)  $\text{NaBH}_4$ , NiB, 50 °C, MeOH, 1h  
 (c)  $\text{Et}_3\text{N}$ , Triphosgene, 25 °C,  $\text{CH}_2\text{Cl}_2$ , 1.5 h

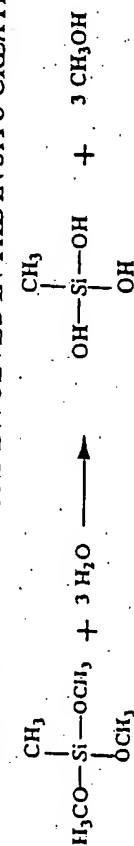
Fig. 4



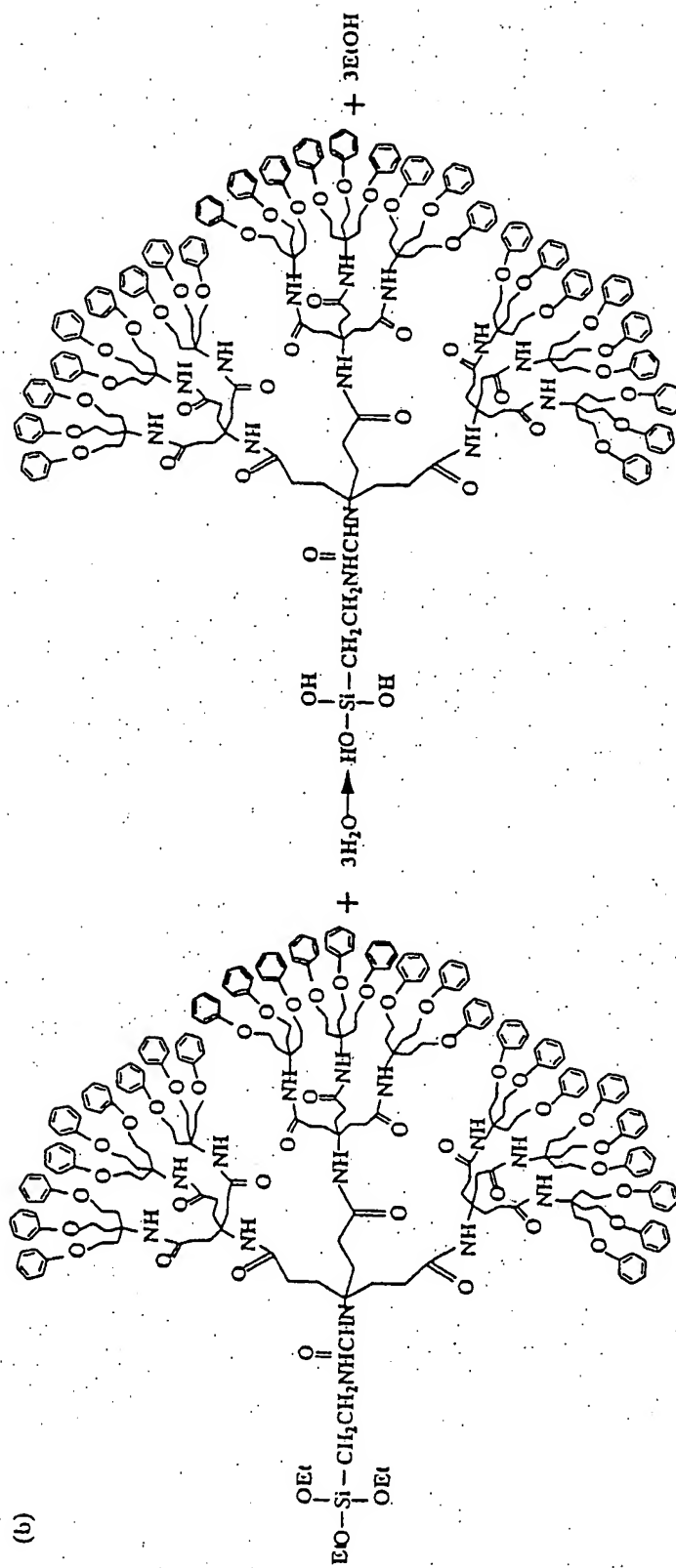
(d.) (Aminopropyl) triethoxysilane, 25 °C, CH<sub>2</sub>Cl<sub>2</sub>, 1 h

Fig. 5

(E)



(g)



१.१।५

(1)

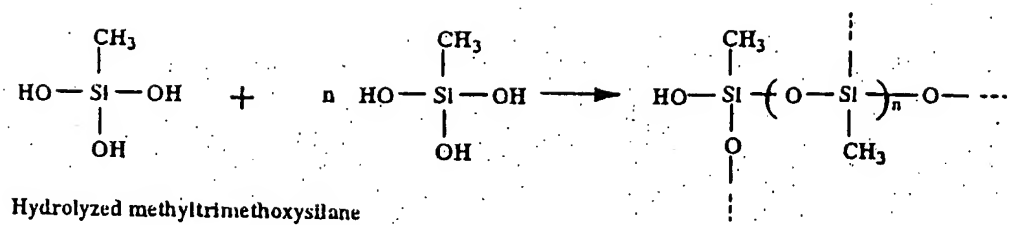


Fig. 7a





## CHEMICAL REACTIONS INVOLVED IN THE IN SITU CREATION OF SOL-GEL DENDRIMER COATING

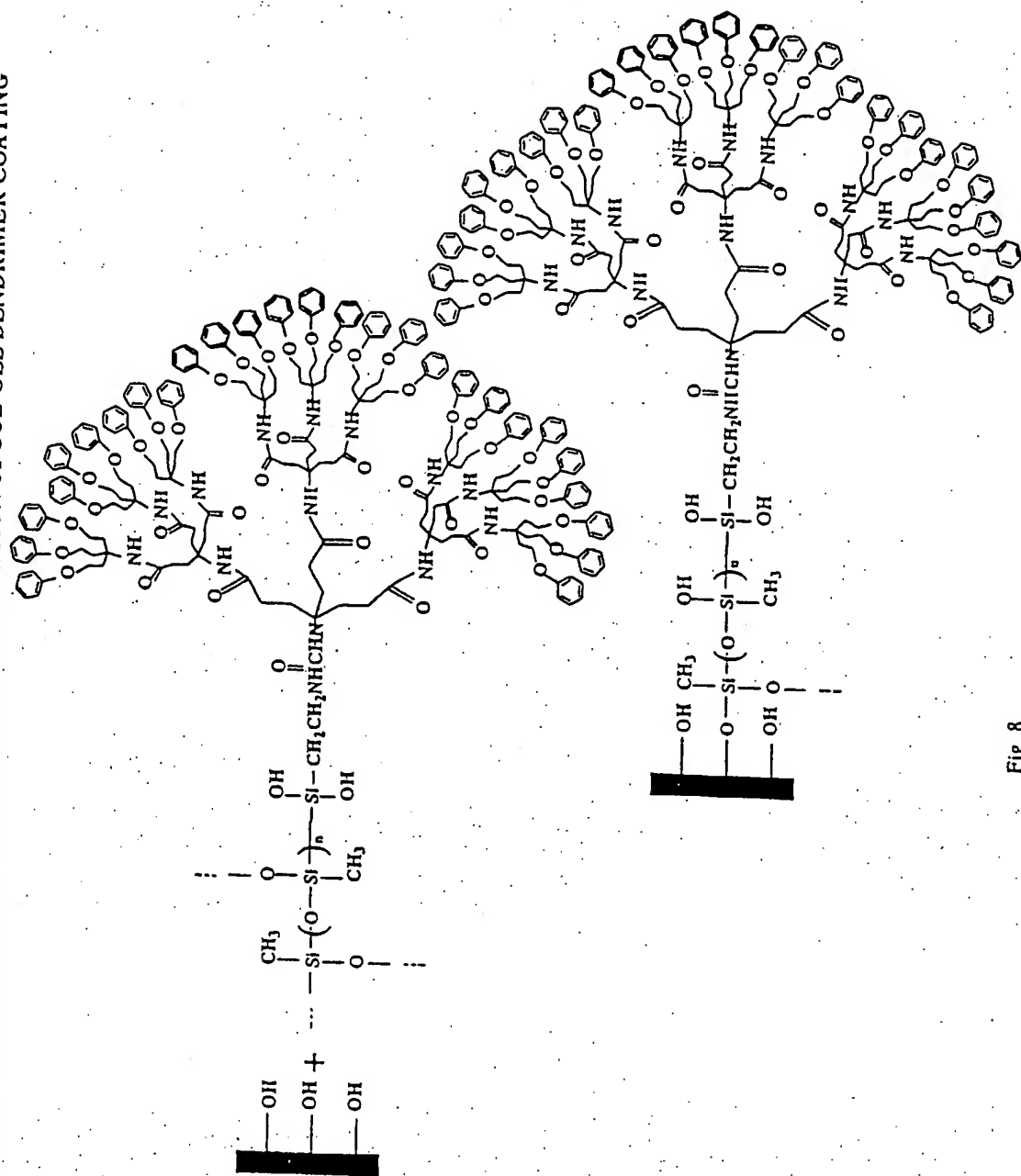


Fig. 8

# CHEMICAL REACTIONS INVOLVED IN THE IN SITU CREATION OF SOL-GEL DENDRIMER COATING

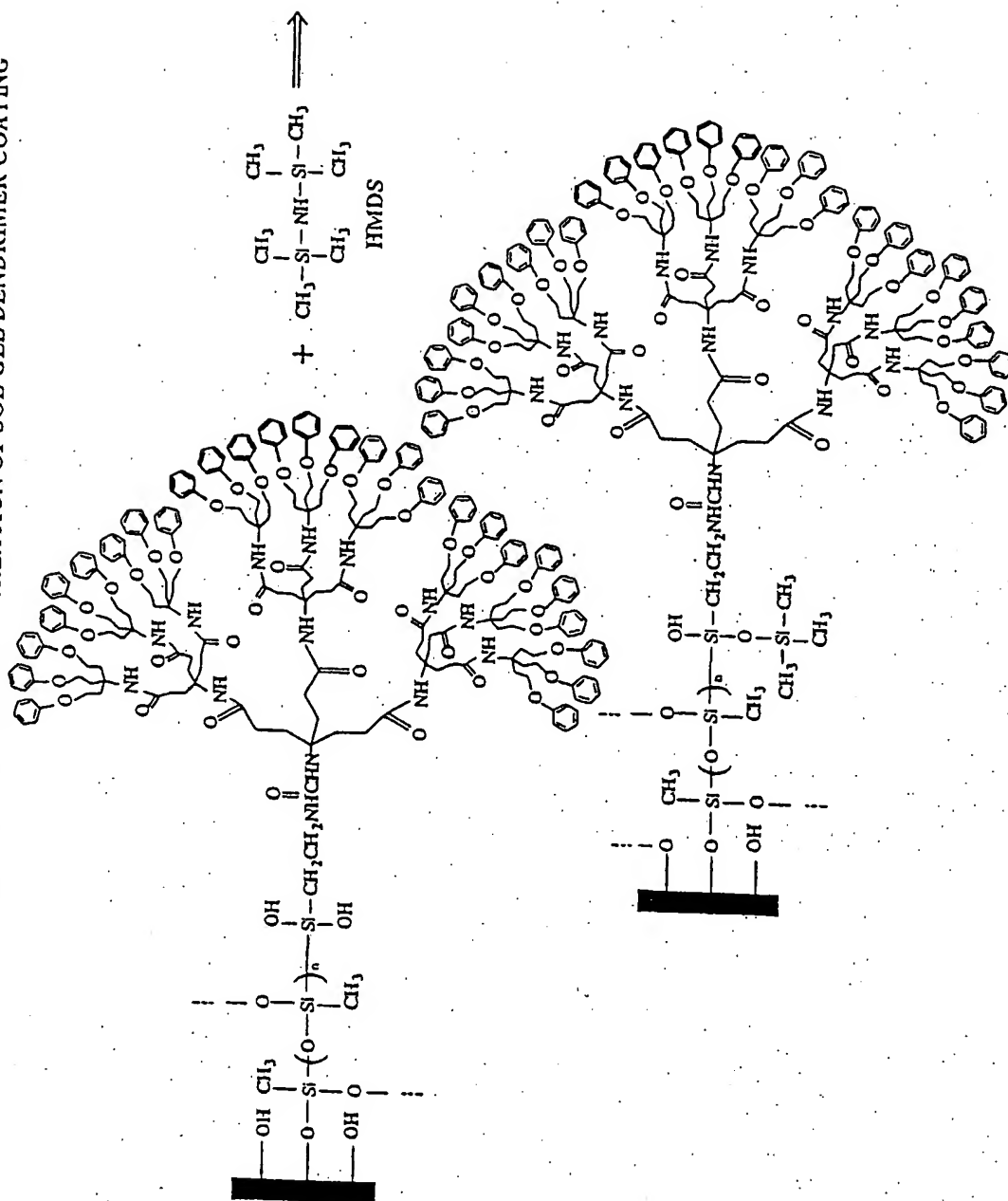


Fig. 2

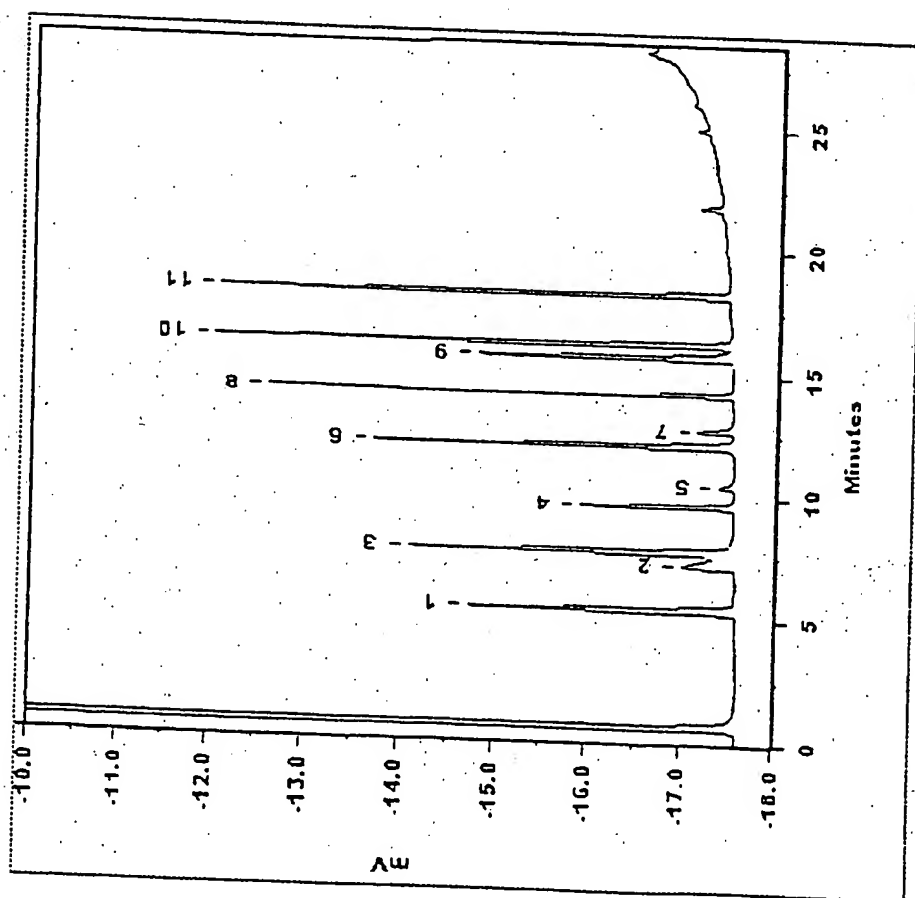


Fig. 10A

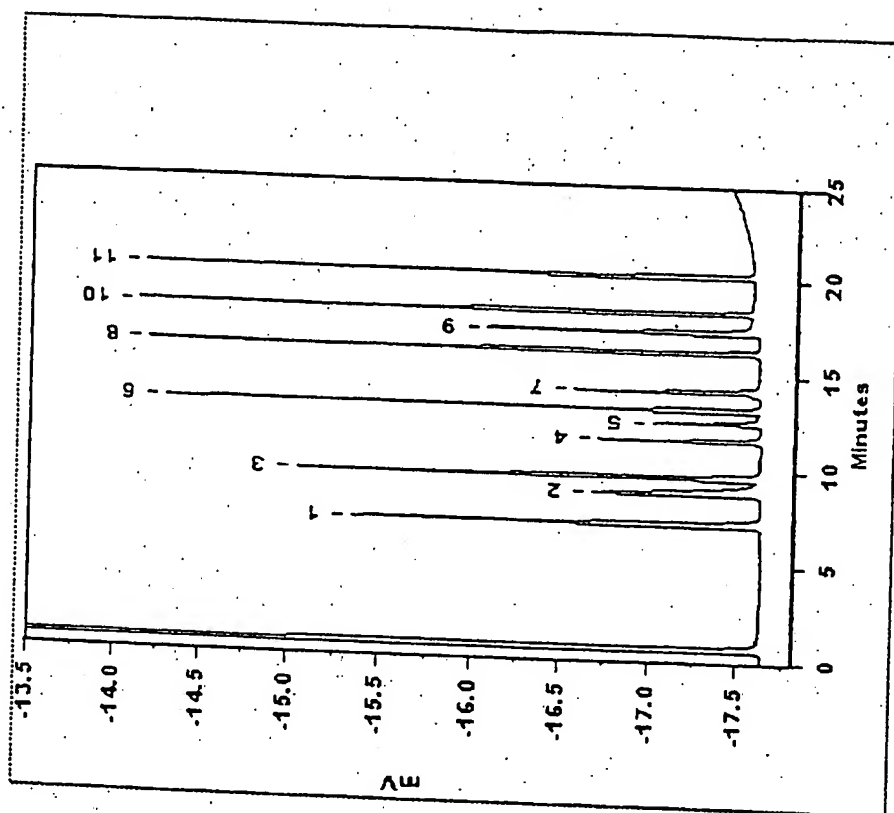


Fig. 10B

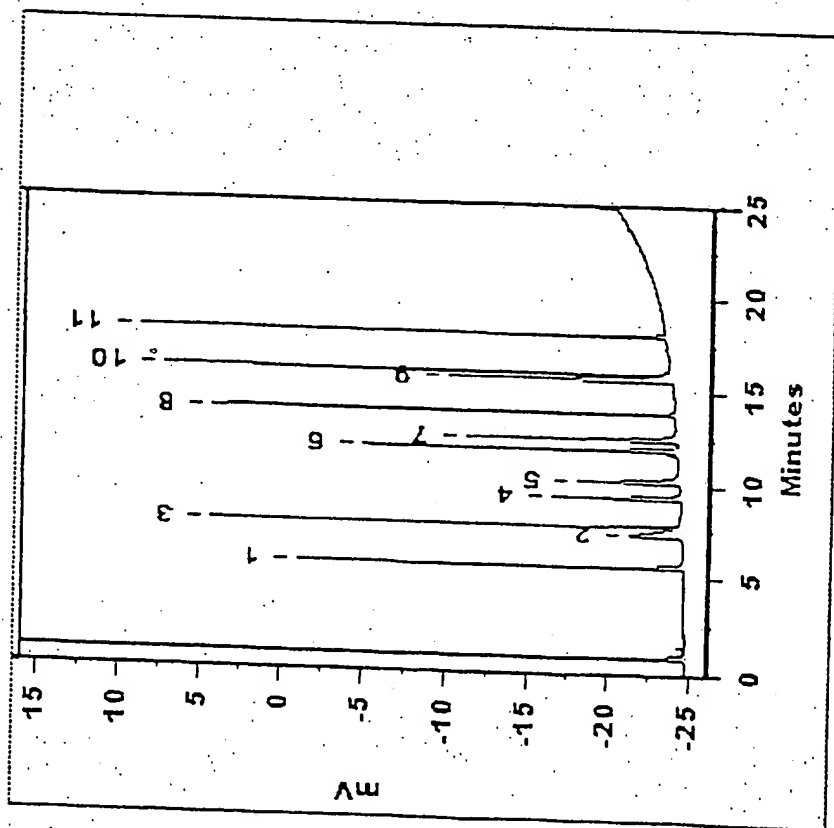


Fig. 10C

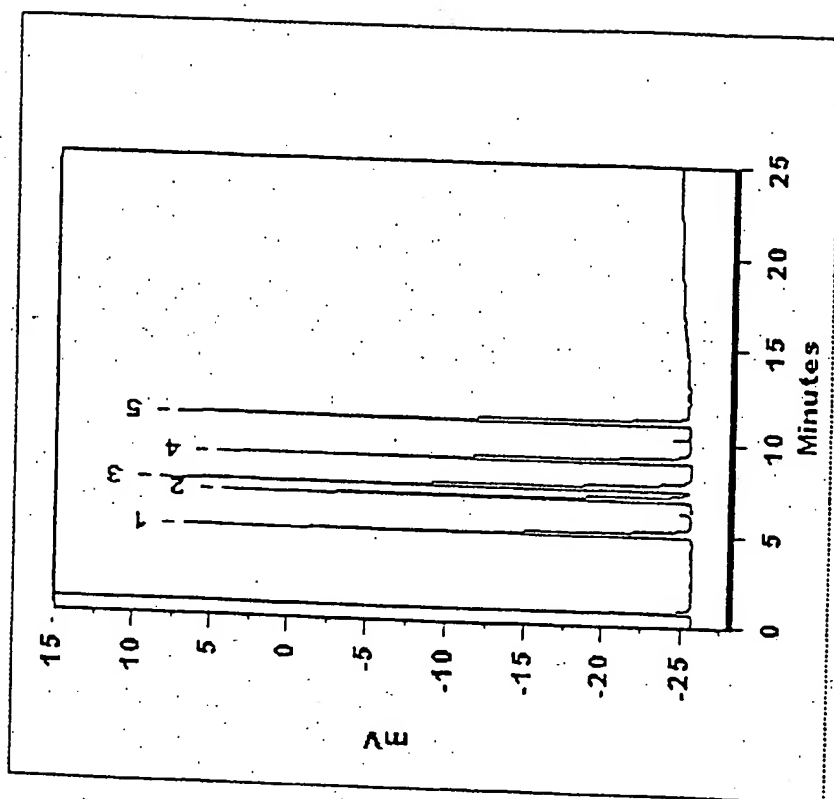


Fig. 11

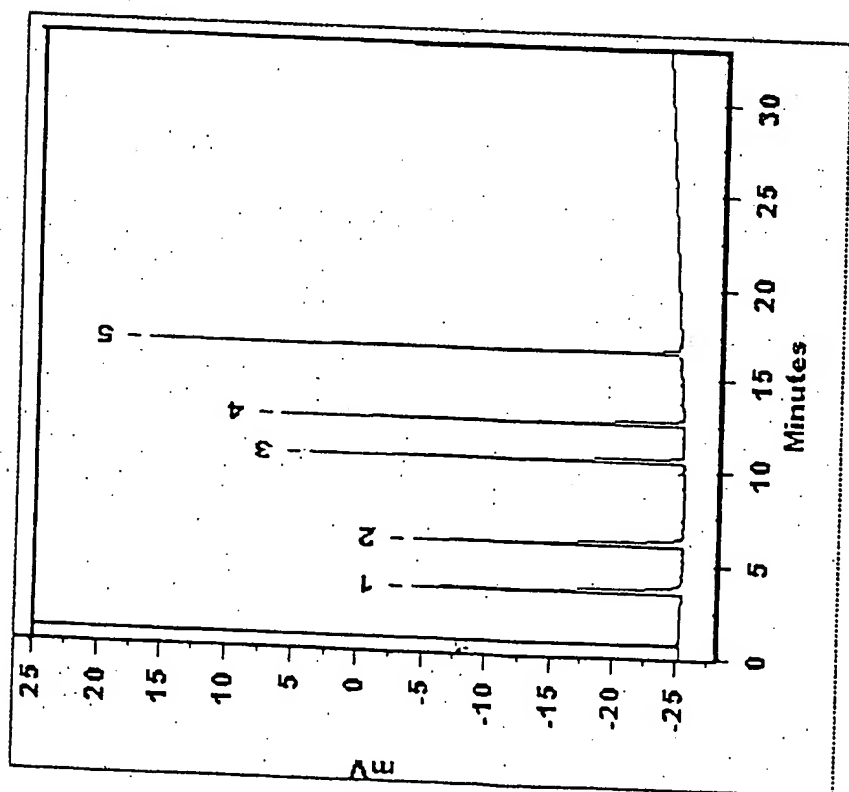


Fig. 12

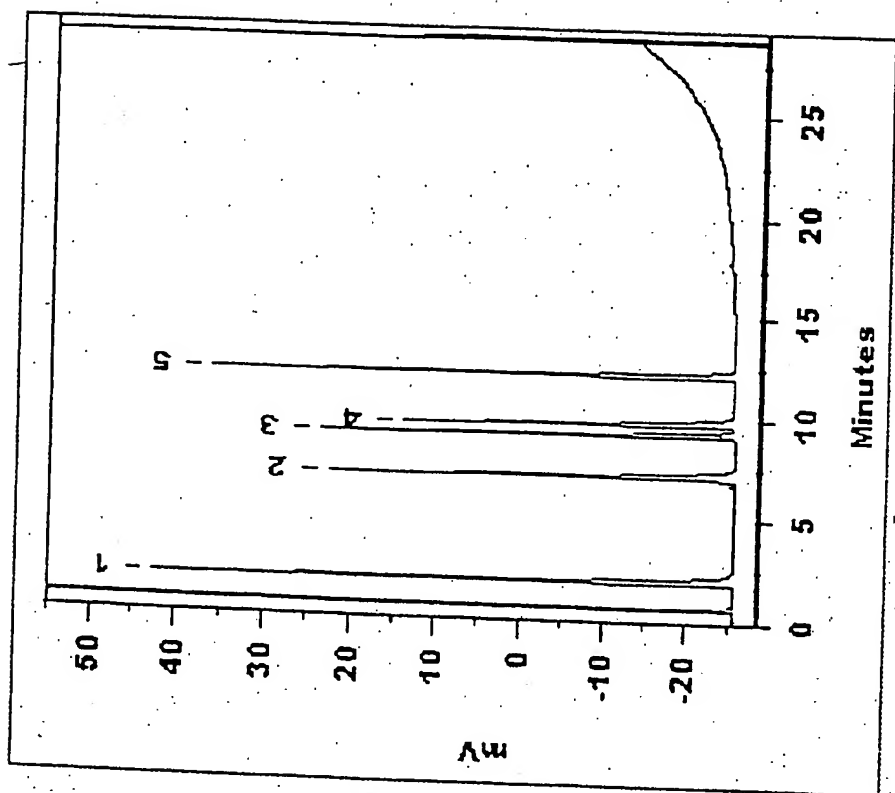


Fig. 13

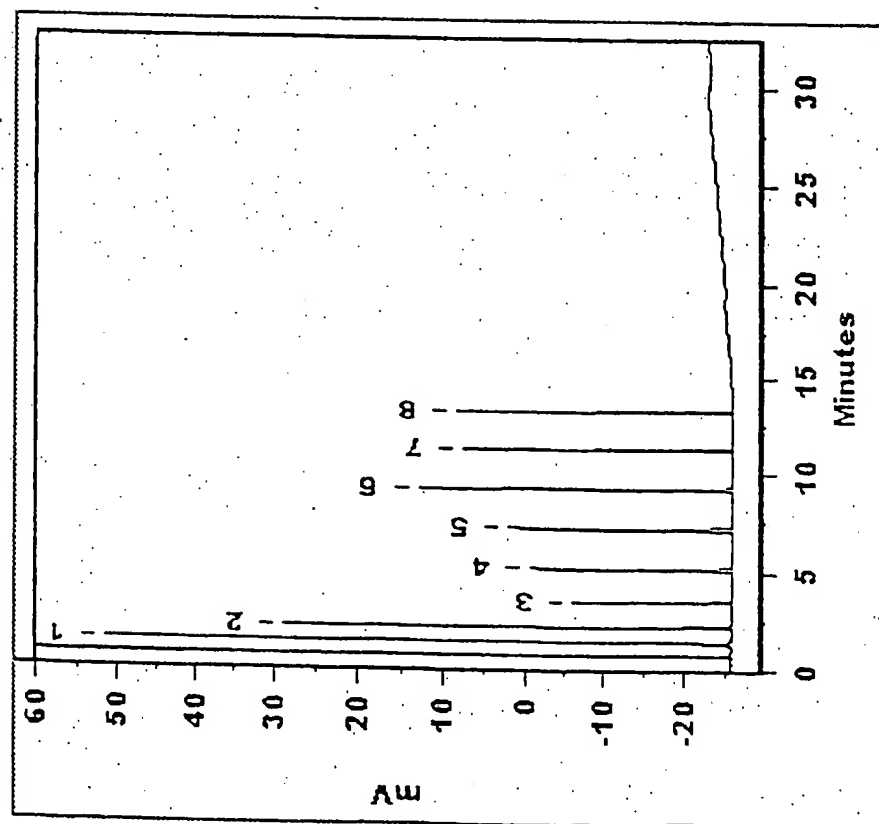


Fig. 14

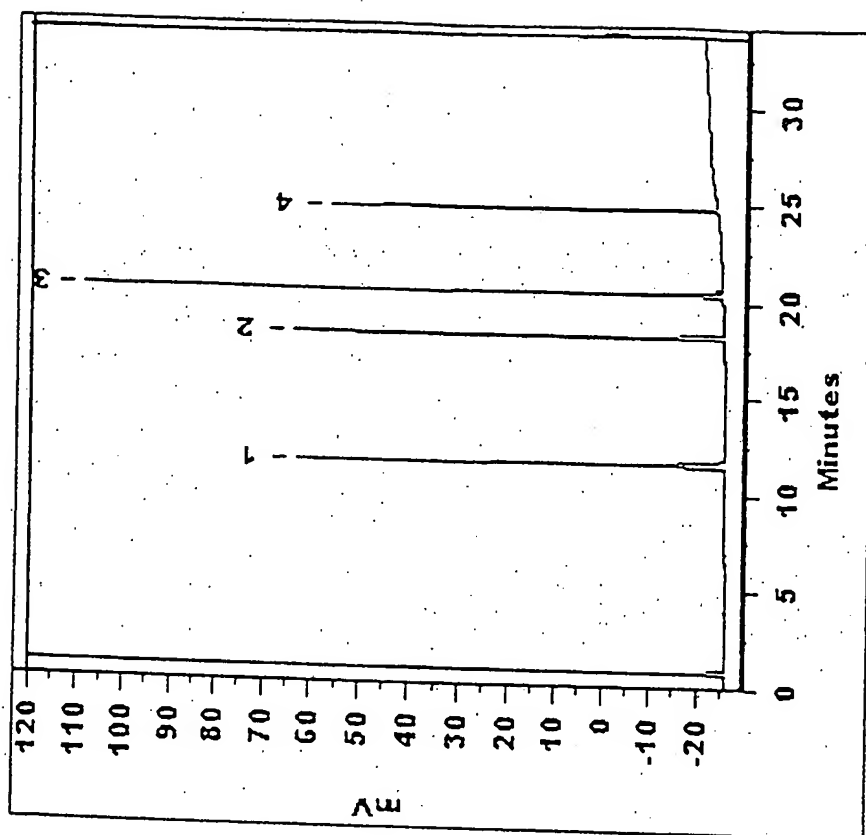


Fig. 15

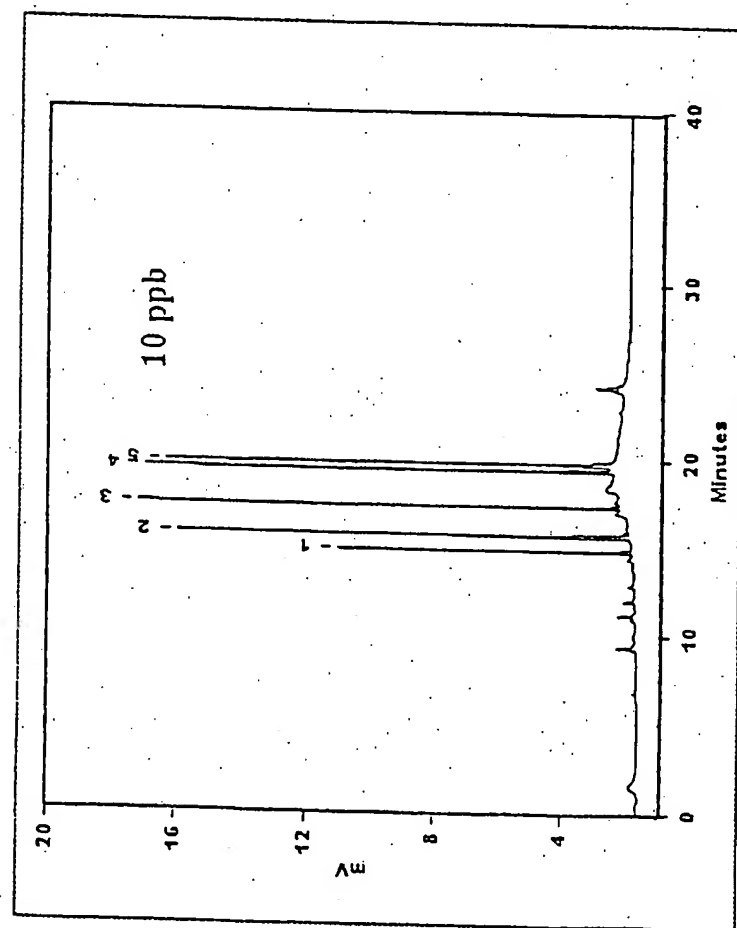


Fig. 16

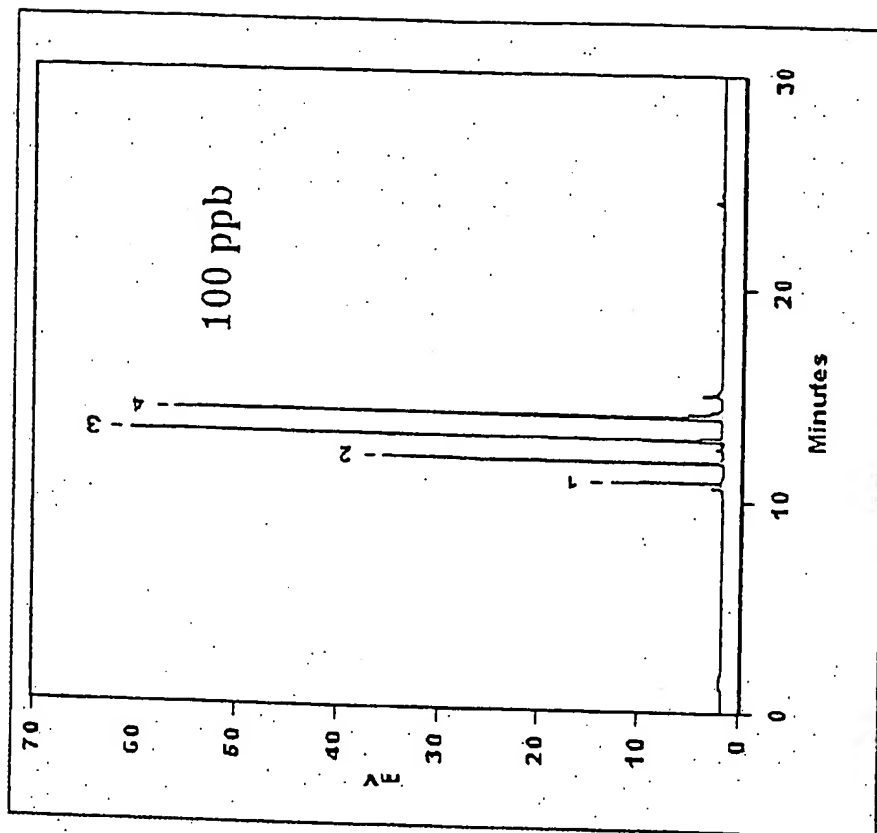


Fig. 17

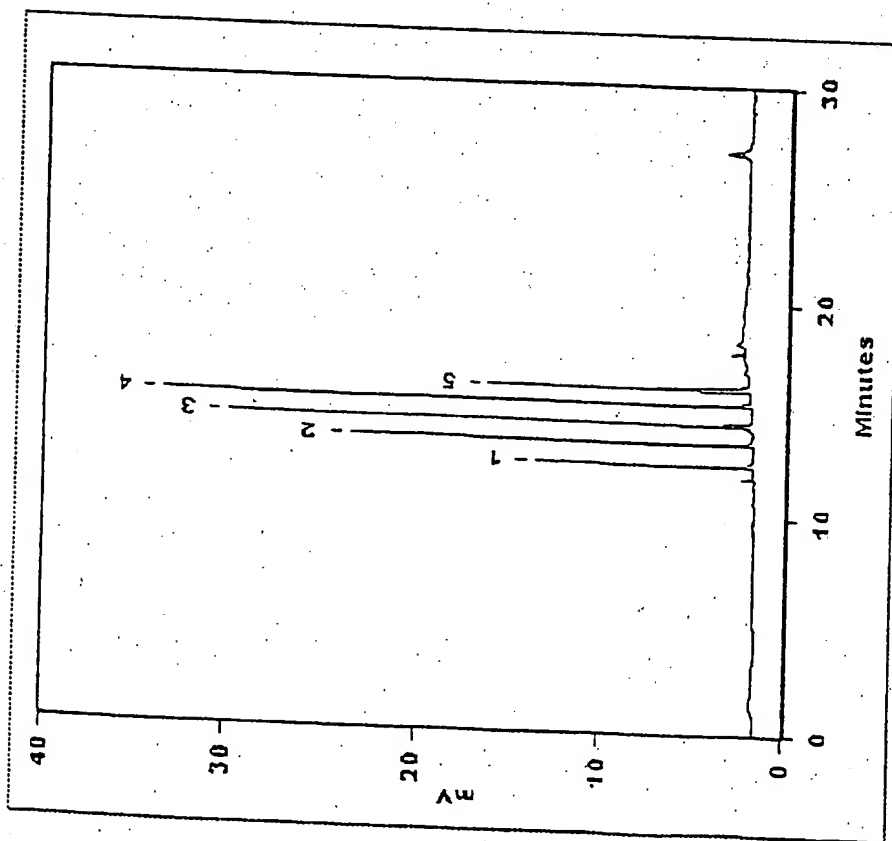


Fig. 18

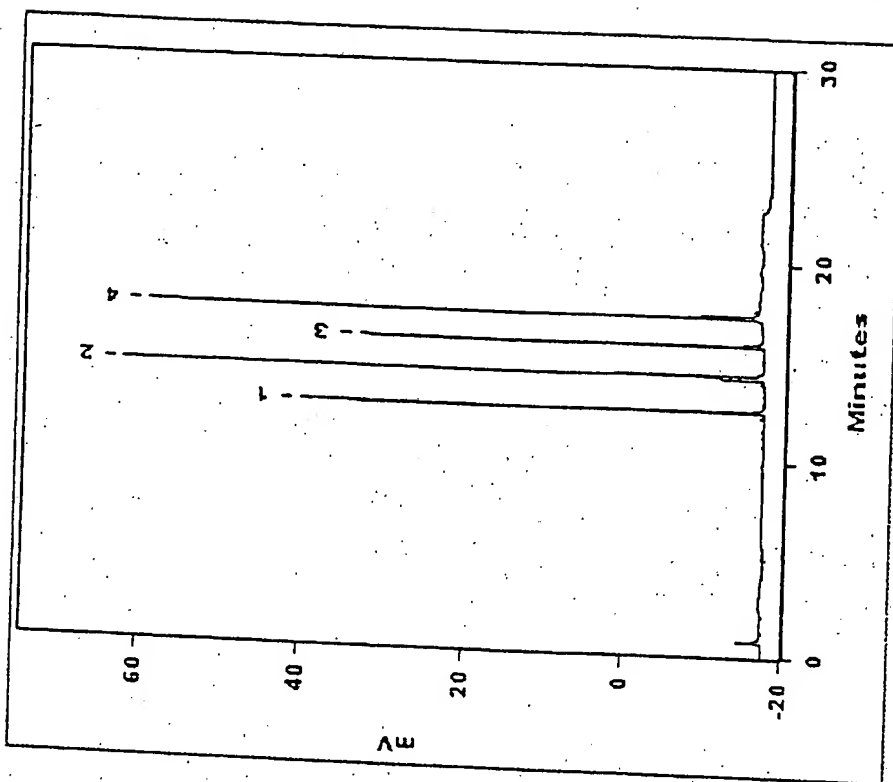


Fig. 19



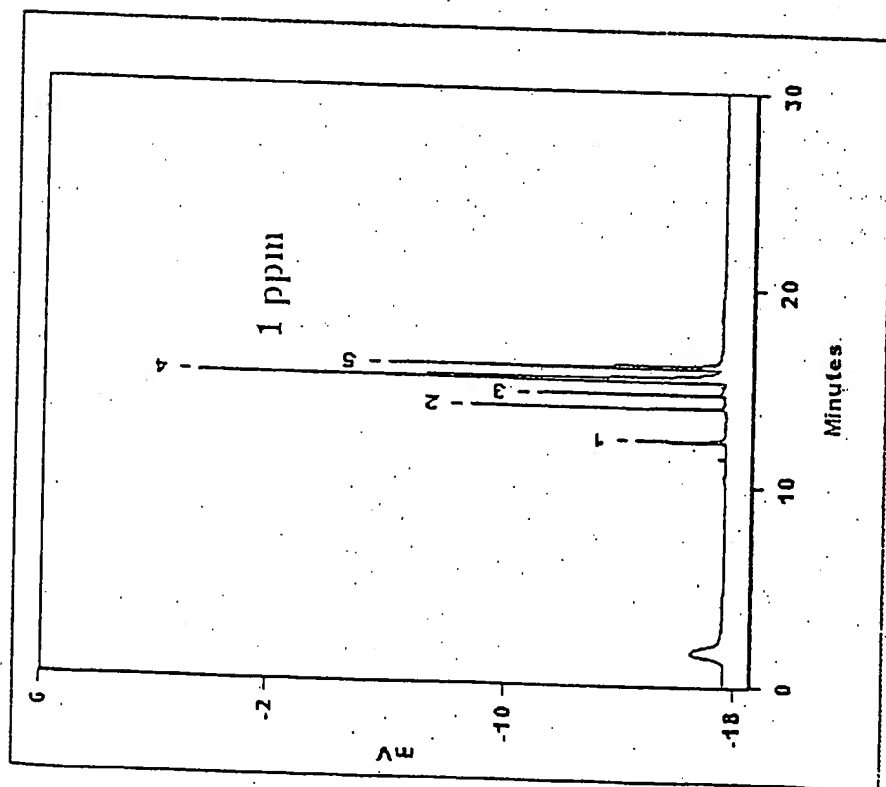


Fig. 20

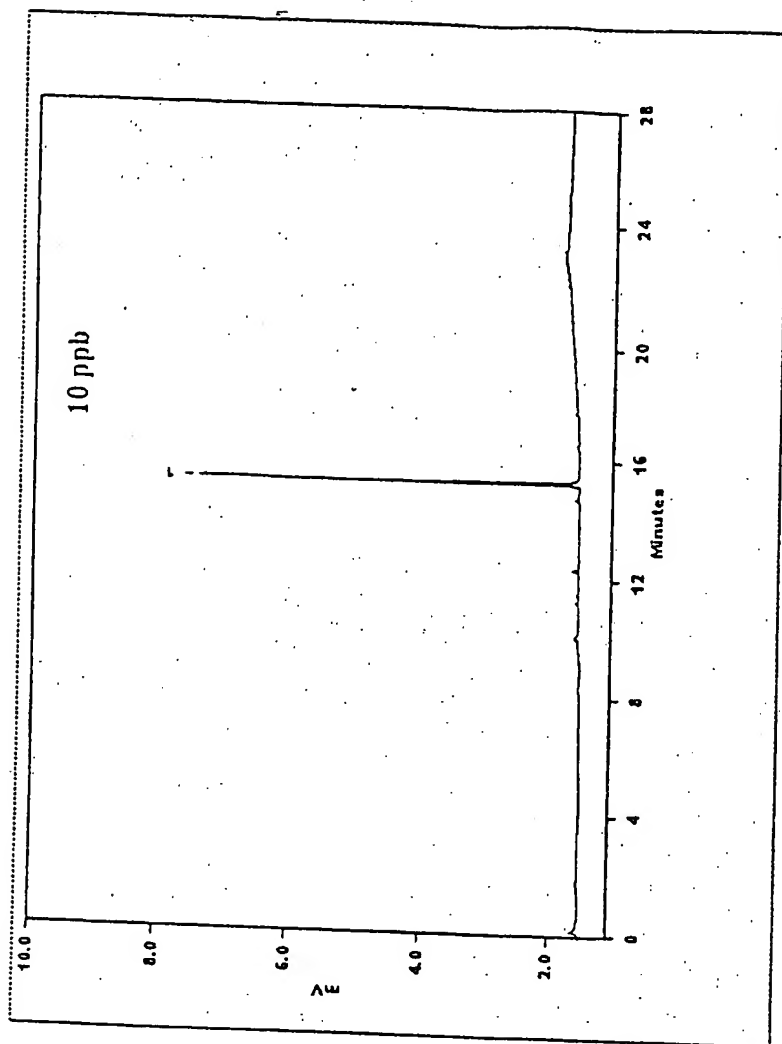


Fig. 21

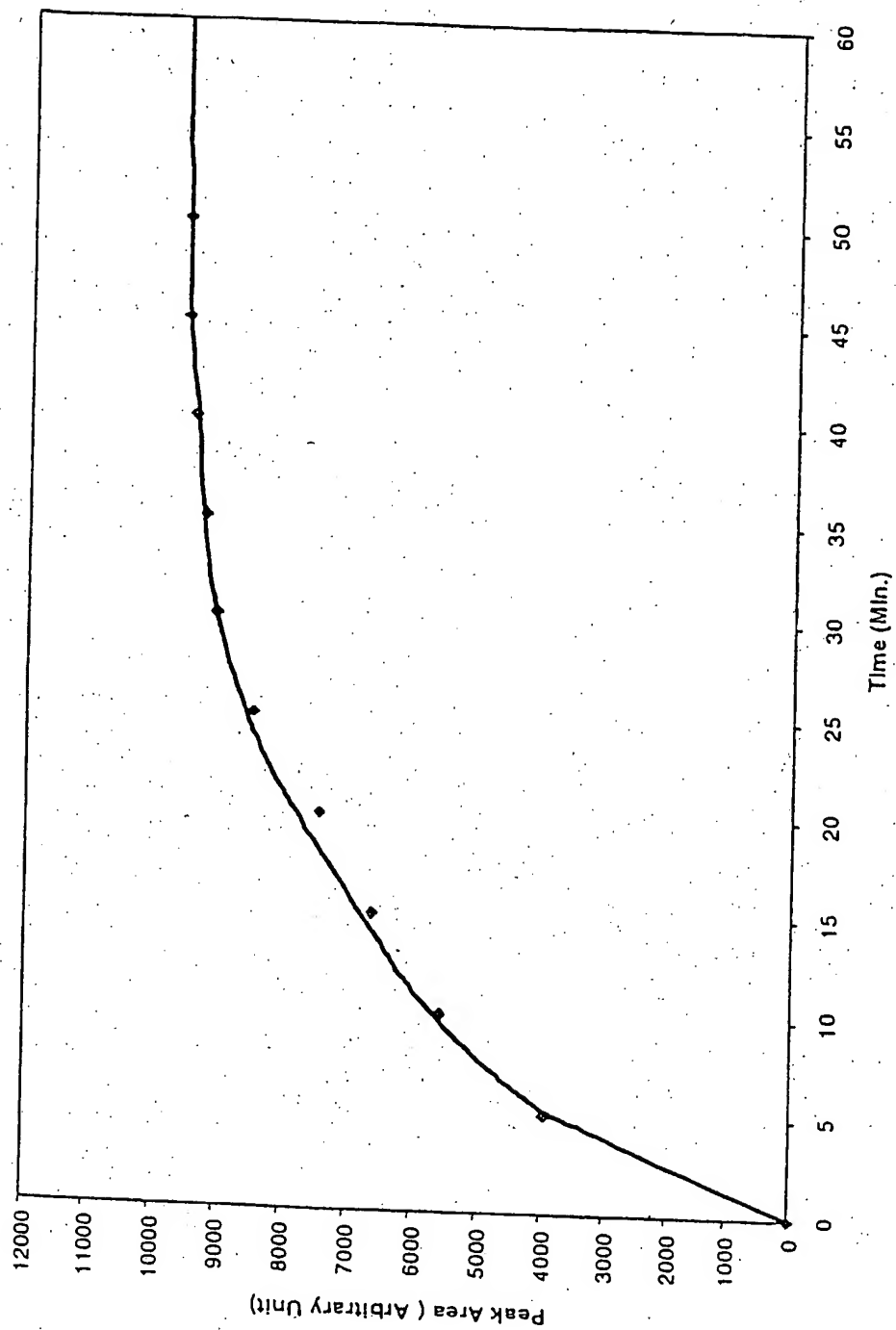


Fig. 22

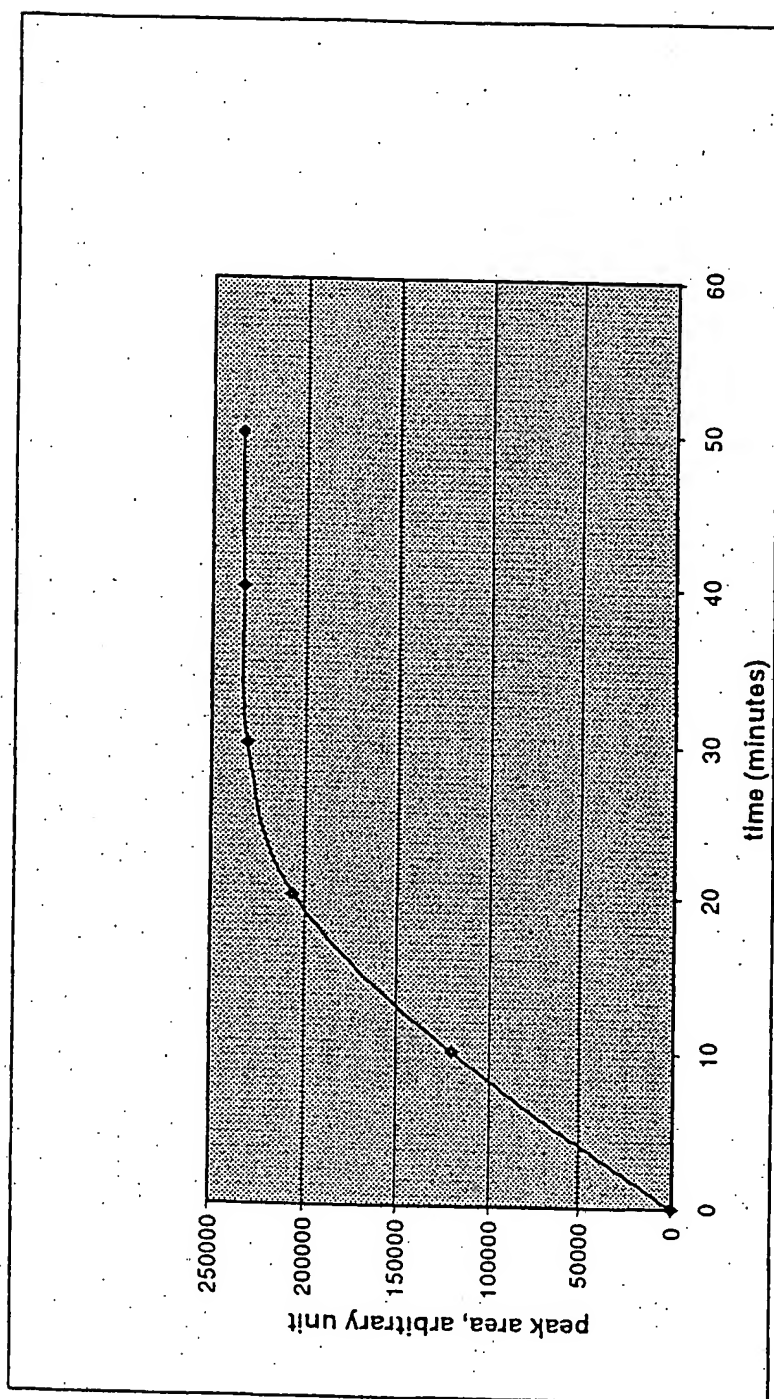


Fig. 23